

PAT-NO: JP403045784A  
DOCUMENT-IDENTIFIER: JP 03045784 A  
TITLE: SYNTHETIC LEATHER  
PUBN-DATE: February 27, 1991

INVENTOR-INFORMATION:

NAME

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ASSIGNEE-INFORMATION:

NAME

HOSOKAWA MICRON CORP

COUNTRY

N/A

APPL-NO: JP01181595

APPL-DATE: July 12, 1989

INT-CL (IPC): D06N003/00, D06N003/14

US-CL-CURRENT: 428/423.1, 428/904 , 442/108 , 442/FOR.166

ABSTRACT:

PURPOSE: To obtain synthetic leather exceeding natural leather in feeling, having excellent flexibility and water vapor transmission by pulverizing silk fiber such as waste of silk woven fabric of silk waste to give silk powder, blending the silk powder with a synthetic resin to give a synthetic resin solution and coating nonwoven fabric with the synthetic resin solution.

CONSTITUTION: Silk fiber such as waste of silk woven fabric of silk waste is

pulverized to give silk powder, which is blended with a synthetic resin to give a mixed resin solution, which is applied to a substrate such as nonwoven fabric, dried and pore-free leather is formed or the substrate is immersed in a coagulating bath and a porous film layer is formed to give synthetic leather having the same touch as natural leather, the same flexure and fastness to friction as natural leather excellent water vapor transmission and water absorption.

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DERWENT-ACC-NO: 1991-105030

DERWENT-WEEK: 199115

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TITLE: Moisture-permeable synthetic leather  
with soft feel -  
obtd. by forming coating film of  
mixed liq. of synthetic  
resin and silk powder on substrate

PATENT-ASSIGNEE: HOSOKAWA MICRON KK[HOSON]

PRIORITY-DATA: 1989JP-0181595 (July 12, 1989)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
JP 03045784 A		February 27, 1991	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
JP 03045784A	N/A	
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INT-CL (IPC): D06N003/00

ABSTRACTED-PUB-NO: JP 03045784A

BASIC-ABSTRACT:

A synthetic leather (I) is prepd. by forming a coating film  
of a mixed liq. of  
(A) a synthetic resin with addn. of (B) silk-powder onto  
(C) a substrate.

Pref. (A) synthetic resin is conventional one e.g.  
polyurethane. The (B)  
silk-powder has mixed shape, e.g. spiral or irregular, of  
which average-dia. is  
pref. 15 microns. Amt. is pref. 10-80%, based on the mixed

liq. of (A).

USE/ADVANTAGE - Synthetic leather superior in soft-feel and moisture-permeability, water-permeability, non-static property comparable to natural leather can be produced. Leather has excellent durability and antibacterial property as opposed to natural leather.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: MOIST PERMEABLE SYNTHETIC LEATHER SOFT FEEL  
OBTAIN FORMING COATING

FILM MIX LIQUID SYNTHETIC RESIN SILK POWDER  
SUBSTRATE

DERWENT-CLASS: A25 A82 F08

CPI-CODES: A03-C01; A11-B05D; A11-B05E; A12-B02A; F03-C05;  
F03-E01; F04-B01;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0229 0231 1294 1986 2426 2427 2434 2506 2528  
2542 2553 2606 2628

2650 2651 2652 2673 3256 2723 2821 2845

Multipunch Codes: 014 03- 04- 150 256 39& 393 398 431 440  
477 479 480 481 483

506 511 525 526 540 541 544 551 560 566 575 58& 592 593 594  
664 667

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